

From glowbugs@theporch.com Sat Sep 28 06:44:43 1996  
Return-Path: <glowbugs@theporch.com>  
Received: from uro (localhost.theporch.com [127.0.0.1]) by uro.theporch.com  
(8.8.0/AUX-3.1.1) with SMTP id GAA19988; Sat, 28 Sep 1996 06:37:34 -0500 (CDT)  
Date: Sat, 28 Sep 1996 06:37:34 -0500 (CDT)  
Message-Id: <324ADAAD.7574@sound.net>  
Errors-To: ws4s@midtenn.net  
Reply-To: glowbugs@theporch.com  
Originator: glowbugs@theporch.com  
Sender: glowbugs@theporch.com  
Precedence: bulk  
From: glowbugs@theporch.com  
To: Multiple recipients of list <glowbugs@theporch.com>  
Subject: GLOWBUGS digest 304  
X-Listprocessor-Version: 6.0c -- ListProcessor by Anastasios Kotsikonas  
X-Comment: Please send list server requests to listproc@theporch.com  
Content-Transfer-Encoding: 7bit  
Content-Type: text/plain; charset=us-ascii  
MIME-Version: 1.0  
X-Mailer: Mozilla 3.0 (Win95; I)  
Status: 0

#### GLOWBUGS Digest 304

Topics covered in this issue include:

- 1) BA/GB Net weekend funzies  
by rdkeys@csemail.cropsci.ncsu.edu
- 2) Hello  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 3) HELLO ? ? ?  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 4) (Fwd) Fwd: Re: BA Call For Votes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 5) Re: HELLO ? ? ?  
by Jeffrey Herman <jherman@hawaii.edu>
- 6) Re: Hello  
by mjsilva@ix.netcom.com (michael silva)
- 7) Re: HELLO ? ? ?  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 8) Re: Hello  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 9) Re: QRP & tubes  
by Paul Harden <pharden@aoc.nrao.edu>
- 10) (Fwd) Re: QRP & tubes  
by "Brian Carling" <bry@mail1.mnsinc.com>
- 11) Re: QRP & tubes  
by chas@nmaa.org (Charles Kadesch)

- 12) Re: QRP & tubes  
by "Harley L. Miller" <hmiller@sound.net>
  - 13) Re: QRP & tubes  
by sigcom@juno.com (Stephen M Smith)
  - 14) Re: QRP & tubes  
by dgf@netcom.com (David Feldman)
  - 15) Tube QRP  
by scotbri@rosevax.rosemount.com (Scott Brigham)
  - 16) Re: QRP & tubes  
by "Harley L. Miller" <hmiller@sound.net>
  - 17) Re: Tube QRP  
by scotbri@rosevax.rosemount.com (Scott Brigham)
  - 18) Re: QRP & tubes  
by sigcom@juno.com (Stephen M Smith)
  - 19) Re: QRP with tubes  
by Bob Duckworth <rmd@ka4ybr.netmha.com>
  - 20) RE: QRP with tubes  
by fbsnyder@mail04.mitre.org (Forrest B. Snyder Jr)
  - 21) QRP Group  
by Paul Bernhardt <bern@ppdu.nrl.navy.mil>
  - 22) Re: QRP with tubes  
by Bob Rolfness <rsrolfne@atnet.net>
  - 23) Re: Tube QRP  
by scotbri@rosevax.rosemount.com (Scott Brigham)
  - 24) Re: QRP with tubes  
by Jeffrey Herman <jherman@hawaii.edu>
  - 25) Re: QRP with tubes  
by KA9EGW@aol.com
  - 26) glass qrp  
by wj5j@juno.com (John D Hensley)
  - 27) Tube QRP  
by "Harley L. Miller" <hmiller@sound.net>
- 

Date: Fri, 27 Sep 1996 15:29:55 -0400 (EDT)  
From: rdkeys@csemail.cropsci.ncsu.edu  
To: glowbugs@theporch.com, boatanchors@theporch.com  
Cc: rdkeys@csemail.cropsci.ncsu.edu ()  
Subject: BA/GB Net weekend funzies  
Message-ID: <9609271929.AA104079@csemail.cropsci.ncsu.edu>

Well, another find weekend, she be upon us, an' wid that Lunar Eclipse over,  
it should be fine fer rattlin' an' bangin' on de ol' brass monkey. Hope to  
'ear ye, byes the bye, on the usual QTR/QRG....

QTR 0100Z QRG 7050R5KHZ/QTR 0200Z QRG 3579R545KHZ/QTR 0300Z QRG 1802R5KHZ

An if ye plys the ether with really ancient glowbottle burners, nee them  
thar glowbuggye thingies....

QTR 0400Z QRG 3579R545KHZ

Come on, now, an makes ye some fine company fer WS4S's fine TCS an'  
W5TVW's fine breadboard bottleburner.....

73/ZUT DE NA4G/Bob UP

p.s. If ye be bye 7020KHZ or 3520KHZ, inbetweentimes, rattles ye a dit  
or a call, fer a round o' QRQ. Them thar bottleburners need an  
occasional sprint or twoe ta keeps them fit an' spry.....

-----

Date: Fri, 27 Sep 1996 16:27:09 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: glowbugs@theporch.com  
Subject: Hello  
Message-ID: <199609272326.TAA01401@user2.mnsinc.com>

Hi - is anyone here?  
I haven't seen too many messages!  
There was a bunch of us interested in QRP and small tube CW  
transmitter construction projects for this winter!

I am here and ready to start putting together some new junkbox  
supplies!

Bry, AF4K  
Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----

Date: Fri, 27 Sep 1996 19:57:49 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: glowbugs@theporch.com  
Subject: HELLO ? ? ?  
Message-ID: <199609280257.WAA10489@user2.mnsinc.com>

Anybody else here yet?  
72 de AF4K  
Brian Carling in Gaithersburg, Maryland, USA

bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----

Date: Fri, 27 Sep 1996 19:57:49 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: glowbugs@theporch.com  
Subject: (Fwd) Fwd: Re: BA Call For Votes  
Message-ID: <199609280257.WAA10492@user2.mnsinc.com>

VOTE! VOTE! VOTE!

----- Forwarded Message Follows -----

For those who may have tried to cast their vote for (or against) the proposed new boatanchors newsgroup and found the referenced message from my earlier post missing from their ISP (as I did), here's the voting procedure:

----- Forwarded message begins here -----

From: Stan Korzep <skorzep@magicnet.net>  
To: <ddillman@igc.apc.org>  
Date: Fri, 27 Sep 1996 19:21:14 -0400  
Subject: Re: BA Call For Votes

Hi Dick

The form required by the automated tally mechanism:

address: rrab@infobahn.net  
text: I vote YES on rec.radio.amateur.boatanchors

In approximately 24 hours, you will receive an acknowledgement of vote.

----- Forwarded message ends here -----

Dick Dillman  
WPE2VT N6VS ex-WA2BJK  
<ddillman@igc.apc.org>  
Collector of Heavy Metal:  
Harleys, Willys and Radios Over 100lbs.

Brian Carling in Gaithersburg, Maryland, USA

bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

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Date: Fri, 27 Sep 1996 17:03:54 -1000  
From: Jeffrey Herman <jherman@hawaii.edu>  
To: Brian Carling <bry@mail1.mnsinc.com>  
Subject: Re: HELLO ? ? ?  
Message-ID: <Pine.GSO.3.93.960927170259.10224E-100000@uhunix5>

Well Brian, you've missed some very very good articles regarding regen receivers. Did you get Bob's note about the BA/Glowbug CW net?

Jeff KH2PZ

On Fri, 27 Sep 1996, Brian Carling wrote:

> Anybody else here yet?  
> 72 de AF4K  
> Brian Carling in Gaithersburg, Maryland, USA  
> bry@mnsinc.com  
> <http://www.mnsinc.com/bry/>  
>

-----

Date: Fri, 27 Sep 1996 20:44:31 -0700  
From: mjsilva@ix.netcom.com (michael silva)  
To: glowbugs@theporch.com  
Subject: Re: Hello  
Message-ID: <199609280344.UAA13387@dfw-ix7.ix.netcom.com>

You wrote:

>  
>Hi - is anyone here?  
>I haven't seen too many messages!  
>There was a bunch of us interested in QRP and small tube CW  
>transmitter construction projects for this winter!  
>  
>I am here and ready to start putting together some new junkbox  
>supplies!

Hi Brian (and others who may have found the group from the QRP thread),

This group goes in spurts -- there were a number of messages a few days ago on regen receivers and home-made plate chokes, then it got quiet.

So, tell us, what have you got in your junkbox and what do you want to make out of it?

Speaking of junkboxes, I've discovered that Mouser is a surprisingly good source for tube-friendly components. For example, they sell the heavier gauges of magnet wire (for winding those pillbottle coils) for \$9-10 per one pound spool, about half what other folks seem to charge. They also have terminal strips, some fairly large RF chokes that I want to try, and very good prices on 1/2 watt resistors (1.4 cents @ 100). I'm thinking about ordering a range of the 20% values, so for around \$35 and perhaps some creative paralleling I'll have just about all the bigger-than-1/4W resistors I'll ever need.

73,  
Mike, KK6GM

---

Date: Sat, 28 Sep 1996 04:12:04 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: jherman@hawaii.edu  
Subject: Re: HELLO ? ? ?  
Message-ID: <199609281111.HAA18541@user2.mnsinc.com>

> Date: Fri, 27 Sep 1996 22:06:52 -0500 (CDT)  
> Reply-to: jherman@hawaii.edu  
> From: Jeffrey Herman <jherman@hawaii.edu>  
> To: Multiple recipients of list <glowbugs@theporch.com>  
> Subject: Re: HELLO ? ? ?

> Well Brian, you've missed some very very good articles regarding  
> regen receivers.

But... I don't LIKE regen receivers! (GRIN!)  
Actually I built a TRF receiver using about 5 or 6 EF50 tubes back around 1962.  
They were UGLY loctal tubes ("valves" to us!) with a loctal base - BRIGHT RED metal case - no exposed glass, and perfectly cylindrical, looking like a small canned food item at the grocery!

I never got a squeak out of the receiver and trashed it in disgust!

>Did you get Bob's note about the BA/Glowbug CW  
> net?

Yeah - that's a great idea. I am super busy right now, but can

possibly get on such a net after this weekend, but of course \*I\*  
don't have a glowbug xmtr until I build one, he he!

72 de AF4K  
Bry  
Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

---

Date: Sat, 28 Sep 1996 04:12:05 +0000  
From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: glowbugs@theporch.com  
Subject: Re: Hello  
Message-ID: <199609281111.HAA18553@user2.mnsinc.com>

mjsilva@ix.netcom.com writes to GLOWBUGS:

> >Hi - is anyone here?  
> >I haven't seen too many messages!  
> >There was a bunch of us interested in QRP and small tube CW  
> >transmitter construction projects for this winter!  
> >  
> >I am here and ready to start putting together some new junkbox  
> >supplies!  
>  
> Hi Brian (and others who may have found the group from the QRP thread),  
>  
> This group goes in spurts -- there were a number of messages a few days  
> ago on regen receivers and home-made plate chokes, then it got quiet.  
>  
> So, tell us, what have you got in your junkbox and what do you want to  
> make out of it?  
>  
> Speaking of junkboxes, I've discovered that Mouser is a surprisingly  
> good source for tube-friendly components. For example, they sell the  
> heavier gauges of magnet wire (for winding those pillbottle coils) for  
> \$9-10 per one pound spool, about half what other folks seem to charge.  
> They also have terminal strips, some fairly large RF chokes that I want  
> to try, and very good prices on 1/2 watt resistors (1.4 cents @ 100).  
> I'm thinking about ordering a range of the 20% values, so for around  
> \$35 and perhaps some creative paralleling I'll have just about all the  
> bigger-than-1/4W resistors I'll ever need.  
>  
> 73,  
> Mike, KK6GM

Hi Mike & everyone. My Junkbox is in BAD shape! To much post 1975 stuff! I have a number of solid state power supplies etc., but i DO have a few tube sockets and tubes. Maybe even enough stuff to put together a small 80 meter CW transmitter (I think I even have an xtal for that band!) - so what I am going to do, is to get it all out next weekend when I have some time and see exactly what I have and what I might need to build like a small 2 or 3 tube xmtr! Can't wait.

Guys, I am still going to write up my earlier experiences with "valves" and amateur radio etc., from over in England in the 1950-1970 era and pass it out here. I think you will all get a kick out of some of the wild stories!

Meanwhile, to keep you all amused, I will pass along some of the GROUPMAIL that some of the guys have sent over the past week, before I realized that this list existed!

More coming at you soon - Bry, AF4K  
Brian Carling in Gaithersburg, Maryland, USA  
[bry@mnsinc.com](mailto:bry@mnsinc.com)  
<http://www.mnsinc.com/bry/>

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Date: Mon, 23 Sep 1996 17:05:21 -0600  
From: Paul Harden <[pharden@aoc.nrao.edu](mailto:pharden@aoc.nrao.edu)>  
To: [bry@mail1.mnsinc.com](mailto:bry@mail1.mnsinc.com)  
Subject: Re: QRP & tubes  
Message-ID: <199609232305.RAA16439@zia.aoc.nrao.edu>

Brian,  
As if I don't have enough irons in the fire ... but a future project I'd like to do before too long is build a vacuum tube transceiver. I've got all the parts and then some left over from the good old days. Have a bunch of old postage stamp ceramic caps, original Fhanestok clips (sp?), vintage switches, etc. Just need to sit down and do it.

Are you using a HB vacuum tube rig? Something about them things that glow in the dark ... they have a romance you never forget. hi.

72, Paul NA5N

-----

Date: Sat, 28 Sep 1996 04:19:12 +0000

From: "Brian Carling" <bry@mail1.mnsinc.com>  
To: glowbugs@theporch.com  
Subject: (Fwd) Re: QRP & tubes  
Message-ID: <199609281118.HAA18674@user2.mnsinc.com>

----- Forwarded Message Follows -----

Date: Mon, 23 Sep 1996 21:51:14 -0700  
From: dgf@netcom.com (David Feldman)  
To: bry@mail1.mnsinc.com  
Subject: Re: QRP & tubes

I did, back in about 1971. A single 50L6 as a 40M oscillator, crystal controlled.

See the now long out-of-print book 104 projects for the radio amateur.

MUCH FUN!!!!

73 Dave WB0GAZ dgf@netcom.com

Brian Carling in Gaithersburg, Maryland, USA  
bry@mnsinc.com  
<http://www.mnsinc.com/bry/>

-----  
Date: Mon, 23 Sep 1996 18:59:21 -0700  
From: chas@nmaa.org (Charles Kadesch)  
To: bry@mail1.mnsinc.com  
Subject: Re: QRP & tubes  
Message-ID: <32474079.5CB1@nmaa.org>

Bry:  
Yes I'm working on getting my Meissner Signal Shifter going (5 watts with an 807!). What are your plans??  
72  
Chas W8KUX  
chas@nmaa.org

-----  
Date: Tue, 24 Sep 1996 07:44:32 -0500  
From: "Harley L. Miller" <hmiller@sound.net>  
To: bry@mail1.mnsinc.com  
Subject: Re: QRP & tubes

Message-ID: <3247D784.6A64@sound.net>

Brian Carling wrote:

>  
> Is anyone else using TUBES to generate their QRP signals???

> Bry, AF4K

=====

Bry:

I just started to build a one-tube crystal-controlled xmtr for 40m with a 6V6, and am considering modifying it to include a 6AG7 VF, and maybe making it multi-band with plug-in coils. The one-tuber is in the January '85 issue of CQ magazine, and a similar set with vfo is in the 'Low and Medium Frequency Scrapbook' by Ken Cornell.

What sparked (g) your interest in the tube construction?

WB0ROQ      QRP-L #393      ARS #77

-----  
Date: Tue, 24 Sep 1996 18:21:00 EDT  
From: sigcom@juno.com (Stephen M Smith)  
To: bry@mnsinc.com  
Subject: Re: QRP & tubes  
Message-ID: <19960924.142801.7983.3.sigcom@juno.com>

Well Bry, I haven't had that rig on the air in probably over 20 years, but I've been thinking about doing just that and you just pushed me past the thinking stage. I just went out to the garage and up on the shelf, there it sat (boy is it DUSTY). Still has a crystal in it for 7160, not much use now but that used to be part of the Novice segment. It's all there (Even has a Collins "meatball" emblem stuck on the front as a joke. That's the closest I could get to owning a Collins anything when I was a kid!). So I checked around the shop for crystals. You know, I could kick myself for getting rid of those old rocks now. When I got a rig with a VFO I figured that I'd never need those fossils again, so I sold almost all I had at the swap meet. However, I did find three that hold some promise: 7040 (I hope that one works), 7050 (don't know how quiet that freq. is) and 7137. I also found one I could grind up in freq. if I have to (6950 kHz). All FT243 holders! Classic. So I guess the next thing to do is to fire the old beastie up. I'll bring it up slowly on a variac to let the electrolytics "heal" and to let the getter in the 6L6 clean up the vacuum. I sure hope the jug isn't gassy. I'll check out the crystals and let you know what I end up with. Maryland would be my best DX with that rig. I think the farthest I ever talked

was St. Louis, MO if I remember correctly. But my antenna was pretty poor, although I didn't realize it at the time. It was an inverted 'V' with the ends up about 12' off the ground. The bad thing about it was that I used a metal pole to support it and didn't use a balun, so I imagine that the radiation pattern was probably pretty goofy from the interaction of the feedline. Also, even if the pattern was somewhat correct, it was oriented S.E./N.W., not too good for the majority of the US from here, near Los Angeles. But I used to rag chew all over the west with the thing, so I was happier than a clam at high tide. I'm sure that I'll have to get an antenna aimed your direction if we hope to have any success. With my current lot, I figure another inv. V or maybe a vertical (I have room for radials here) or maybe a sloper. I can try several antennas at the same time, I have some space here. I've also been thinking about playing with a compact loop.

BTW, I have one other rig left over that I built during my novice days. It was considered QRP back then when 100 Watts was QRP. It is a 12BY7 followed by a 1625 (an 807 with a 12 volt filament). It runs 75 Watts, has plug in coils for band change although I only wound coils for 40 meters. I built that one from plans from the ARRL handbook. It's a clean machine, really has a nice note. It's along side the 6L6 up on the shelf. I think it might need some repair, seems that I lent it to a friend once upon a time and he fried the plate choke in the final. But again, it's all there so maybe I can get both of them going. If we couldn't make it with the 6L6, I could bring out the 'big gun'. I don't have anything else for low bands at this time, only a receiver and some flea power QRP 40 meter stuff. I'll tell you about my "Super Duper-X Spy Transmitter" sometime.

So what do you have on that end? Boy, QRP-L has sure got me fired up again. In the evening I pour over old magazines, handbooks and downloads from the ftp site. My wife thinks I'm nuts. But she's been through it before. I was really wrapped in the local repeater systems around here in the early 70's and that actually led to my career in two-way radio.

BTW, my father and my relatives on that side of the family are from Maryland, Eastport near Anapolis.

That's it for now. 73.....Steve

---

Date: Wed, 25 Sep 1996 04:05:07 -0700  
From: dgf@netcom.com (David Feldman)  
To: bry@mnsinc.com  
Subject: Re: QRP & tubes

Message-ID: <199609251105.EAA01216@netcom3.netcom.com>

Someone is taking the old MILLIWATTS and scanning them into images in adobe acrobat, and saving them on CDROM for re-distribution.

Maybe someone will do that with the old tube project books someday...

Just a musing...

Dave

---

Date: Wed, 25 Sep 1996 08:20:11 -0500  
From: scotbri@rosevax.rosemount.com (Scott Brigham)  
To: bry@mail1.mnsinc.com  
Subject: Tube QRP  
Message-ID: <9609251320.AA08092@rebecca.sunserv>

Hi Bry --

I've been getting back into hamming in the past few years after letting it wane, and have been focusing on QRP and boatanchor worship. One thing I dug out of my pile of "stuff" was a one-tube QRP transmitter I built about 10 years ago. It uses a 6AQ5, is crystal controlled and puts out about 2 watts on 80 and 40 meters. The only problem is, I have no idea where I got the original plans for it -- some book I must have gotten at the library at the time. It is a cute little rig. I may have to reverse engineer it some day and at least create a schematic.

73,  
Scott

---

scotbri@rosemount.com  
Scott Brigham (AA0HU) "Lamb Chop is a U.S. puppet, down with Lamb Chop!"  
Rosemount, Inc.  
Eden Prairie, MN USA

- my gal Jo

---

Date: Wed, 25 Sep 1996 08:36:03 -0500  
From: "Harley L. Miller" <hmiller@sound.net>  
To: bry@mnsinc.com  
Subject: Re: QRP & tubes  
Message-ID: <32493543.6B2A@sound.net>

Brian Carling wrote:

>  
> Hello - well, I have built numerous things like that over the years.  
> There seems to be quite a few of us out here still willing to try it!  
>  
> I might even put together an informal cc: groupmail list so we can  
> all communicate here! Would that interest you?  
>  
> Kinda busy with work now (an interruption to REAL LIFE on the  
> Internet and ham radio, he he!)  
>  
> 73,  
>  
> Bry, AF4K  
>  
> > Date: Tue, 24 Sep 1996 07:44:32 -0500  
> > From: "Harley L. Miller" <hmiller@sound.net>  
> > Reply-to: hmiller@sound.net  
> > To: bry@mail1.mnsinc.com  
> > Subject: Re: QRP & tubes  
>  
> > Brian Carling wrote:  
> > >  
> > > Is anyone else using TUBES to generate their QRP signals???  
> > > Bry, AF4K  
> > ======  
> > Bry:  
> >  
> > I just started to build a one-tube crystal-controlled xmtr for 40m with  
> > a 6V6, and am considering modifying it to include a 6AG7 VF, and maybe  
> > making it multi-band with plug-in coils. The one-tuber is in the January  
> > '85 issue of CQ magazine, and a similar set with vfo is in the 'Low and  
> > Medium Frequency Scrapbook' by Ken Cornell.  
> > What sparked (g) your interest in the tube construction?  
> >  
> > WB0ROQ QRP-L #393 ARS #77  
> >  
> >  
> >  
> >  
> Brian Carling in Gaithersburg, Maryland, USA  
> bry@mnsinc.com

> <http://www.mnsinc.com/bry/>

=====

Bry:

Yes I would be interested in an informal list to discuss tube projects. We might help each other find some tubes also. I dug into my old tube box last night and found only one 6AG7 to use for my VFO, hope it still works. It was a metal can Mil. Spec.! Found a 6L6 metal also. I have a good collection of 73, CQ, QST and various assorted such as Popular Electronics that I find some old tube projects. They were mostly nostalgia articles, but a few from the era when tubes \*were\* radio. Also I mentioned in the last post that I have the 'Low and Medium Frequency Radio Scrapbook'. It is geared to those frequencies, and has a lot of tube gear projects, just scale up the frequency components and they fit the ham bands.

I retired this June after 35 years teaching bands in NE and MO, so I have some time on my hands right now. Will probably get some kind of job to supplement retirement pay and keep busy.

I ran across a web site that proposed a low power tube station for its members. Don't remember what the exact name or address was, but it called itself the Pisweaker group. If I find it again, I'll let you know where it is, but you can probably find it through a search engine or ham radio links. They were trying to get up interest in what we are discussing and may be a good contact.

Keep in touch and lets see what we come up with. As soon as we get gear operational, lets try a sked contact. If enough are interested we may be able to get up an informal net.

Harley L. Miller WB0ROQ  
QRP-L #393 ARS #77

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Date: Wed, 25 Sep 1996 13:58:06 -0500  
From: scotbri@rosevax.rosemount.com (Scott Brigham)  
To: uunet!mnsinc.com!bry@uunet.uu.net  
Subject: Re: Tube QRP  
Message-ID: <9609251858.AA08472@rebecca.sunserv>

Hi Bry --

Well, I guess this sounds like as good a time as any to reverse engineer that little rig! I currently haven't officially subscribed to the QRP list; I have been downloading it off a web site (<http://sunsite.unc.edu/modena/>)

so none of this is going through the list right now.

I will try and sit down with the rig in the next week or so and figure out the schematic. There may be a choke or trimmer cap whose value I might not know. There is also the coil in the pi network which is a homebrew multi-tapped thing that is wound on a 35mm plastic film canister. But if I get this all written down, maybe I could post something to the list offering the schematic and notes to anyone for a SASE. I don't have any way of putting it on a website.

As far as scheds go, my antenna situation is pretty lame right now, with my 40m vertical sort of being supported by the tree it has fallen into. It may work, but who knows. I will keep your email note, and let you know if I can swing something like that in the near future.

73,  
Scott

=====

scotbri@rosemount.com  
Scott Brigham (AA0HU) "Lamb Chop is a U.S. puppet, down with Lamb Chop!"  
Rosemount, Inc.  
Eden Prairie, MN USA - my gal Jo

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Date: Thu, 26 Sep 1996 00:43:16 EDT  
From: sigcom@juno.com (Stephen M Smith)  
To: bry@mnsinc.com  
Subject: Re: QRP & tubes  
Message-ID: <19960925.213902.6887.2.sigcom@juno.com>

Bry,

"The Scrounger" is on the variac tonight. I'm bringing it up in 25V increments about 1/2 hour per step. And guess what else? The rectifier is a TUBE too! A 5Y3 I think (I can't get a good look at it. "The Scrounger" has an aluminum shield cover over the chassis and I don't want to take it off to look. Fancy, huh?) I had thought that I had used silicon diodes. Now I have a confession to make. I really hate tubes. I got that way when I was a young tech and had to keep all kinds of boatanchor tube type two-way radios going for a living. But I have fond memories of using "The Scrounger" so that's why I've decided to bring it out of retirement. I'll keep you posted. BTW, why don't we get the other QRP tube guys to meet in a chat room some time? WBS has a ham chat

channel. Also, I've started writing a giant e-mail to send you regarding the 60's, etc., but that'll take a while to finish.

73.....Steve, WB6TNL

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Date: Thu, 26 Sep 1996 07:43:36 -0400 (EDT)  
From: Bob Duckworth <rmd@ka4ybr.netmha.com>  
To: bry@mail1.mnsinc.com  
Subject: Re: QRP with tubes  
Message-ID: <199609261143.HAA28563@ka4ybr.netmha.com>

Brian-

Why don't you guys use the list for this.  
No way that Jack can complain about it, esp.  
after the cats/rats/balloons stuff.

-bob

>

> Hi guys!

> I was wondering if anyone here is interested in builing /  
> resurrecting small QRP tube CW transmitter(s)?  
> There is a small group of us corresponding about such tings via an  
> e-mail cc: list - If you'd like to join us in chatting about these  
> things drop me an e-mail.

>

> Several guys are going to build such this fall/winter and maybe try  
> to sked on the air, others are resurrecting old homebrew tube QRP rigs  
> that they built years ago, and still others are just trading stories  
> about such experiences.

>

> E-mail to AF4K by replying to this

> ( bry@mnsinc.com )

> Brian Carling in Gaithersburg, Maryland, USA

> bry@mnsinc.com

> <http://www.mnsinc.com/bry/>

>

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Date: Thu, 26 Sep 96 08:19:23 -0400  
From: fbsnyder@mail04.mitre.org (Forrest B. Snyder Jr)  
To: bry@mail1.mnsinc.com (Brian Carling)  
Subject: RE: QRP with tubes  
Message-ID: <960926081921.29372@mail04.mitre.org.0>

Good Morning Brian!

Put me on your distribution.

There's plenty of interest -- there's even a "Glowbugs" list devoted to such things.

Also, check out the BA and Glowbug archives -- the NA4G directory has updated plans for a 160 or 80 Meter Hartley Oscillator as presented by the legendary George Grammer in QST in the late '30s. I've downloaded thes files (with graphics) and can forward them via eMail if you're interested.

Forrest B. Snyder, Jr  
N4UTY        fbsnyder@mitre.org  
RCVR:        BC-348-R  
XMTR:        Johnson Adventurer -- 50 W to a single 807  
Johnson Matchbox  
40 Meter Center-fed Zepp between two trees at 30 feet  
"Sure, it's 1936 technology, but it's GOOD 1936 technology!"  
>Hi guys!  
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>There is a small group of us corresponding about such tings via an  
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>E-mail to AF4K by replying to this  
>( bry@mnsinc.com )  
>Brian Carling in Gaithersburg, Maryland, USA  
>bry@mnsinc.com  
><http://www.mnsinc.com/bry/>  
>  
>

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Date: Thu, 26 Sep 1996 09:03:23 -0400 (EDT)  
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>  
To: Brian Carling <bry@mnsinc.com>  
Subject: QRP Group

Message-ID: <Pine.A32.3.91.960926090026.27486B-100000@ppdu.nrl.navy.mil>

Brian,

Please add me to your QRP tube group. I also have another ham friend at work that keeps talking about QRP so I will ask him if he wants to join.  
Sincerely, Paul Bernhardt, KF4FOR

5740 Ridge View Dr  
Alexandria, VA 22310  
Phone: 703-960-9656

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Date: Thu, 26 Sep 1996 06:30:38 -0700  
From: Bob Rolfness <rsrolfne@atnet.net>  
To: bry@mail1.mnsinc.com  
Subject: Re: QRP with tubes  
Message-ID: <324A857E.778F@atnet.net>

Brian - I'd be interested in such a project. Ever since joining the list I've thought about my first novice transmitter in 1954. In those days the ARRL had a publication called HOW TO BECOME A RADIO AMATEUR and if I remember correctly it contained a single 6V6 crystal oscillator transmitter. The little rig was most unique for it was constructed on a wooden chassis formed by 2 end blocks holding 2 parallel slats which between them were a tube and crystal socket. The coil was wound with "BELL WIRE" and used small wooden pegs or dowels vertically into the chassis as a form. There was a matching power supply chassis using a 5Y3.

I know it was simplest of rigs, running maybe 4 or 6 watts, but as a young teen ager I can't tell you the hours of joy and wonderment it provided. BTW - The receiver was an ARC-5 and I had one crystal, 3701 Kcps. I turely was in HOG HEAVEN.....

I've often thought about reconstructing this rig.

73's Bob W7VZX

Brian Carling wrote:

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> Hi guys!  
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> E-mail to AF4K by replying to this
> ( bry@mnsinc.com )
> Brian Carling in Gaithersburg, Maryland, USA
> bry@mnsinc.com
> http://www.mnsinc.com/bry/
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Date: Thu, 26 Sep 1996 10:13:10 -0500  
From: scotbri@rosevax.rosemount.com (Scott Brigham)  
To: uunet!mnsinc.com!bry@uunet.uu.net  
Subject: Re: Tube QRP  
Message-ID: <9609261513.AA08672@rebecca.sunserv>

Having you post it on your website sounds like a great idea, Brian. I actually took the beast in hand last night and traced out the circuit. I have a really cheezy power supply for it, which I can't remember if it was part of the original plans or if I just put it in myself. Anyway, it uses a 125VAC secondary into a voltage doubler circuit. The only problem is, I measured the DC voltage coming out and it is 350 volts. The max rating on the 6AQ5A is 275V, with 250V typical for operating. So I am going to have to do some tweaking to it. On the schematic I will just show the B+ line as being 250V and people can slap in their own power supply.

If you can give me your snail mail address I will send you a paper copy of the schematic and parts list and you can take it from there....

Scott  
AA0HU

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Date: Thu, 26 Sep 1996 05:25:59 -1000

From: Jeffrey Herman <jherman@hawaii.edu>  
To: Brian Carling <bry@mail1.mnsinc.com>  
Subject: Re: QRP with tubes  
Message-ID: <Pine.GS0.3.93.960926052257.26480G-100000@uhunix5>

On Thu, 26 Sep 1996, Brian Carling wrote:

> Hi guys!  
> I was wondering if anyone here is interested in builing /  
> resurrecting small QRP tube CW transmitter(s)?  
> There is a small group of us correspongding about such tings via an  
> e-mail cc: list - If you'd like to join us in chatting about these  
> things drop me an e-mail.

Hi Brian,

The Glowbugs email list was created exclusively to combine tubes and QRP; Bob Keys and some others are active on it. To sub, email to: listproc@theporch.com and only write: subscribe glowbugs <your name> and you'll be hooked up. Get your group on there so the two groups can join forces!

73,

Jeff KH2PZ / KH6

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Date: Thu, 26 Sep 1996 11:49:51 -0400  
From: KA9EGW@aol.com  
To: bry@mail1.mnsinc.com  
Subject: Re: QRP with tubes  
Message-ID: <960926114951\_530292678@emout14.mail.aol.com>

definitely would be interested in the list--just last weekend bought a roller coil for a 6BA6-6L6 160 meter rig I'm building.

73, Brian  
KA9EGW@aol.com

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Date: Thu, 26 Sep 1996 19:26:42 PST  
From: wj5j@juno.com (John D Hensley)  
To: bry@mnsinc.com  
Subject: glass qrp  
Message-ID: <19960926.202453.4847.3.wj5j@juno.com>

Hi Brian,

I'm interested in the QRP tube idea in the sense that I am interested in WW2 era and think it would be interesting to learn how to duplicate minimal size or unique or suitcase radio gear. I think that falls into the tube qrp class.

By the way, in the 60's I earned the first WAS and first WAC awards issued by QRP Int'l to a Louisiana ham. I still have the certificates. Not an outrageous accomplishment, but interesting!

73, Doug

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Date: Thu, 26 Sep 1996 14:34:05 -0500  
From: "Harley L. Miller" <hmiller@sound.net>  
To: bry@mnsinc.com  
Subject: Tube QRP  
Message-ID: <324ADAAD.7574@sound.net>

Bry & the group:

Responding to Bry's call to introduce ourselves: I am Harley L. Miller WB0ROQ, Kansas City MO. I've been a ham since 1974, but interested and experimenting with electronics for a longer time. A friend Gene W0UJI, and I used to throw a wire over telephone lines and listen to phone conversations with a crystal radio in the early 50's. My 'formal' training in radio was in Army Radio School at Ft. Benning GA in 1958 (almost all tube). I went through the usual building phase of tube+transistor in the 70's and built a DX-60/HR-10b Heathkit set for my novice (WN0R0Q) station, then added a HG-10b VFO (which I still have). I used that till about 1980 when I bought a used Yaesu FT-101B station. This is still my 'big' setup, tunable from almost 0 to @300 W, and used for qrp, cw/ssb/am. About 1985 I got a used Heathkit HW-8 in near mint condition to become my portable rig and this station is fitted into a sturdy Sampsonite brief case. I retired this June after 35 years teaching, and since then have been catching up on some things I wanted to do, now am ready to get a part-time job to keep busy and supplement the retirement pay. Having been an active scrounger for years, I have a supply of tubes from radio and television sets that I have 'repaired'. In addition, I have a small collection of old tube BC/SW radios in various stages of

restoration.

While web surfing one day, I ran across a site called the Pisweakers club (lost it since) interested in qrp and tubes. It stirred up some long-dormant juices and I started to scrounge up the parts to build a tube xmtr about the time that Bry made a call for tubers.

Searching my database of CQ, QST, PE, HR and etc. magazines, I soon came up with a simple 1-tuber (CQ Jan 85 p22) using a 6V6/opt. 6L6 which I had in stock. At a local Ace Hardware store I found a pvc pipe, no diameter given, identified as 'Crestline PVC SDR 21' which is a perfect fit over the base of an Amphenol 8-pin male chassis or connector plug. This is about the same diameter as the ubiquitous toilet paper roll that figured in a lot of homebrew coil-winding, and is the basis of my link-coupled output coil to be plugged into a socket for interchangeable band-changing coils. I have a bunch of CW company crystals (CW has gone out of business, but a new company has sprung up, Phoenix Crystals, also in Missouri, and it may be rising from the ashes of CW. I have sent a letter to the address given on QRP-L, no answer yet to queries about the range of crystals to be available). Remembering that 1tubers were prone to choip, I am planning for buffer/regulator stages to be added if needed, and am considering a VFO with a 6AG7.

I checked into Bry's web page and it is really super. My own pages are somewhat primitive at this stage and I am working on a ham-related page to go with my genealogy and community orchestra pages. So much to do and so little time, even when retired.

I'm looking forward to hearing from some of the others in the tuber group. I'm familiar with a couple names from the QRP-L list, but would be interested in hearing more about all of you.

Harley L. Miller        WB0R0Q  
QRP-L #393        ARS #77

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End of GLOWBUGS Digest 304  
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